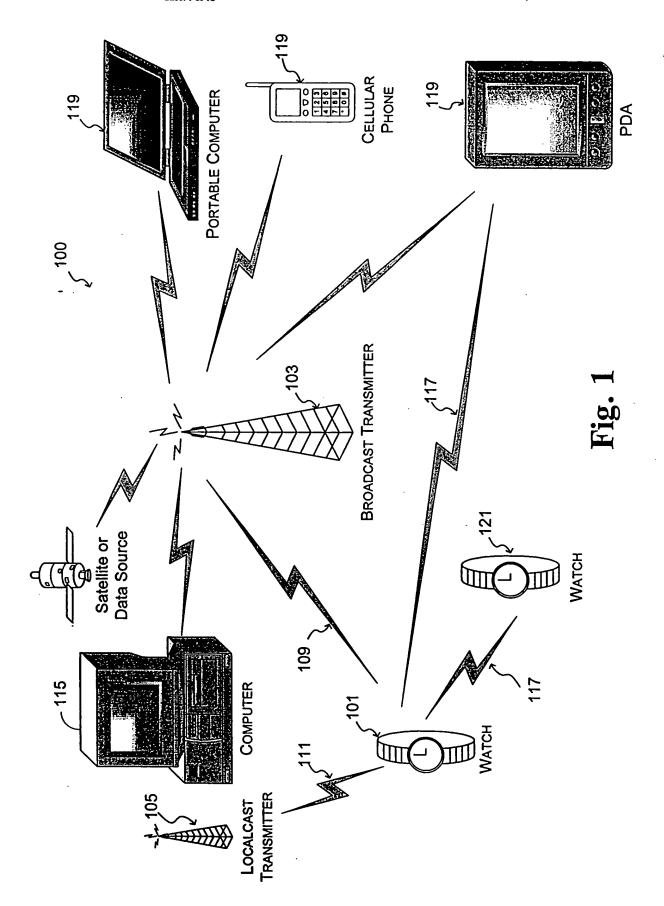
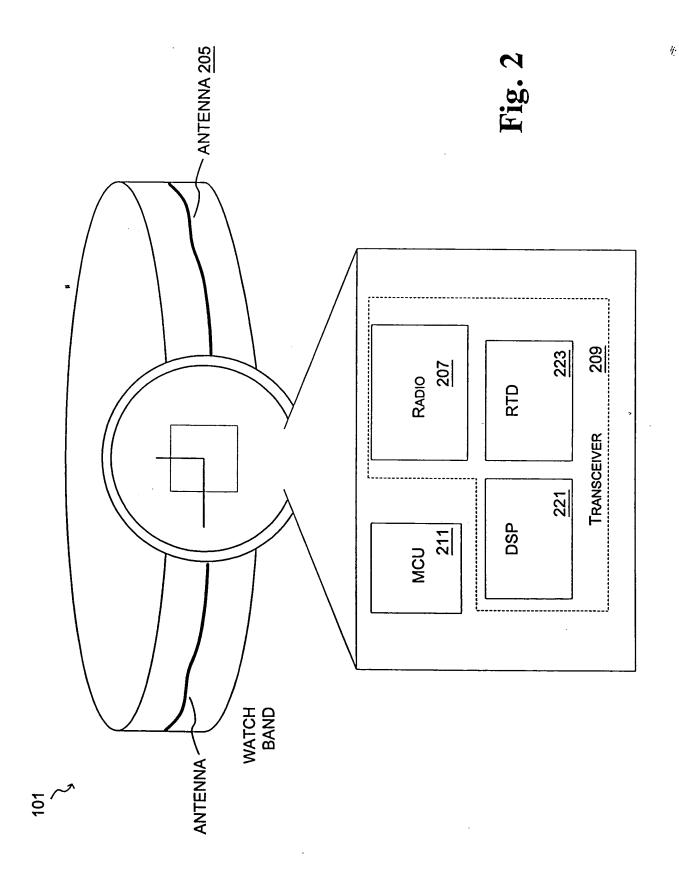
Inventor: Karr, et al.
Docket No · <0037.65USU1/177809.2
Title: SY : AND APPARATUS FOR PERFORMING BROADCAST ANI
COMMUN.....1TIONS
Sheet 1 of 12

ALCAST



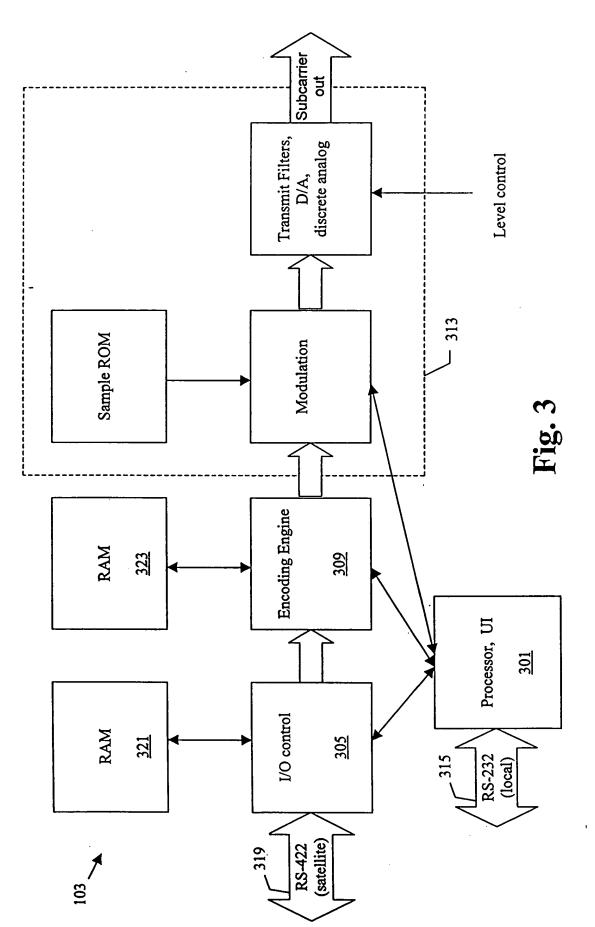
Inventor: Karr, et al.
Docket Nr 50037.65USU1/177809.2
Title: S1 4 AND APPARATUS FOR PERFORMING BROADCAST AN COMMU...ATIONS
Sheet 2 of 12

CALCAST



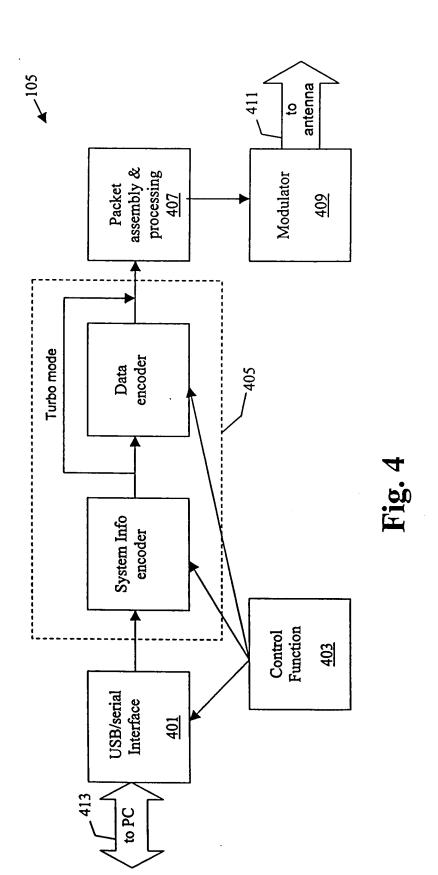
Inventor: Karr, et al.
Docket No. 237.65USU1/177809.2
Title: SYS AND APPARATUS FOR PERFORMING BROADCAST AND COMMUNICATIONS
Sheet 3 of 12

ALCAST



17:

Inventor: Karr, et al.
Docket No.: 50' 55USU1/177809.2
Title: SYSTEN DAPPARATUS FOR PERFORMING BROADCAST AND LO
COMMUNICATIONS
Sheet 4 of 12



Sheet 5 of 12

-501Frame N Sub-frame 0: Sub-frame 1: Sub-frame 2: Sub-frame 3: Segment 0-3 for Segment 4-7 for Segment 8-11 for Segment 12-15 for Packets 0-1023 Packets 0-1023 Packets 0-1023 Packets 0-1023 All segments for Fast All segments for Fast All segments for Fast All segments for Fast packets 1024-1087 packets 1088-1151 packets 1152-1215 packets 1216-1279 Segment 4 Seg 0 Segment 4 Seg 1 Segment 4 Seg 2 Segment 4 Seg 3 For Packets **Fast** For Packets Fast For Packets Fast For Packets Fast 0-255 256-511 Pkts Pkts 512-767 Pkts 768-1023 Pkts 1088-1088-1088-1088-1151 1151 1151 1151 Segment 5 Seg 4 Segment 5 Seg 5 Segment 5 Seg 6 Segment 5 Seg 7 For Packets Fast For Packets Fast For Packets Fast For Packets Fast 0-255 **Pkts** 256-511 Pkts 512-767 Pkts 768-1023 Pkts 1088-1088-1088-1088-1151 1151 1151 1151 Segment 6 Seg 8 Segment 6 Seg 9 Segment 6 Seg Segment 6 Seg 10 11 For Packets For Packets Fast For Packets Fast For Packets 0-255 **Pkts** 256-511 Pkts 512-767 Fast 768-1023 Fast 1088-1088-Pkts Pkts 1151 1151 1088-1088-1151 1151 Segment 7 Seg Segment 7 Seg Segment 7 Segment 7 Seg Seg 12 13 14 15 For Packets For Packets For Packets For Packets 0-255 256-511 Fast 512-767 Fast 768-1023 Fast Pkts Pkts Pkts 1088-1088-1088-1151 1151 1151

Fig. 5

Sheet 6 of 12

MODIFIED HDLC FRAME FORMAT

4.

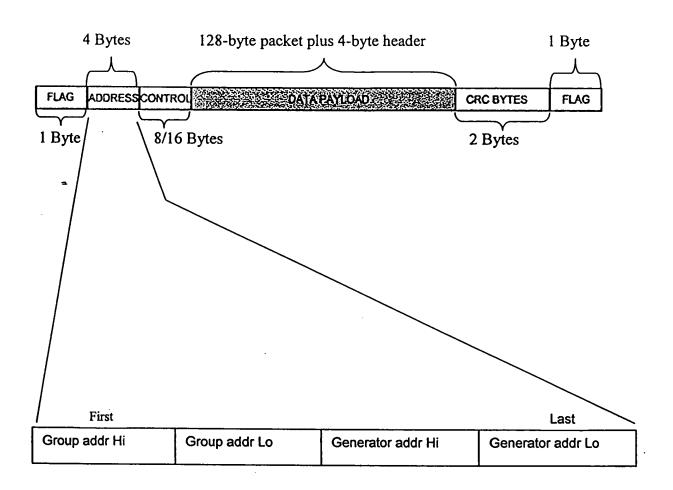


Fig. 6

Inventor: Karr, et al.
Docket No. 37.65USU1/177809.2
Title: SYS. AND APPARATUS FOR PERFORMING BROADCAST AND COMMUNICATIONS
Sheet 7 of 12

LCAST

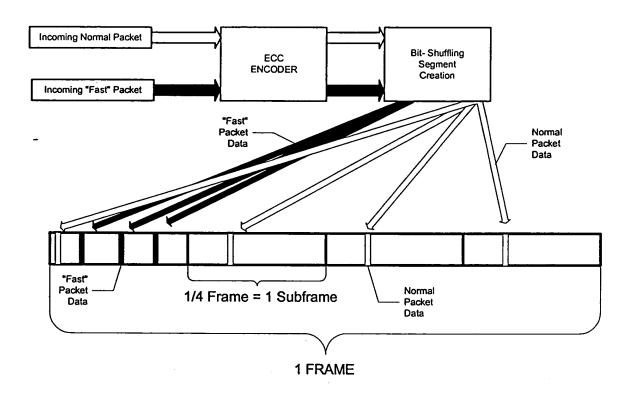


Fig. 7

Inventor: Karr, et al.
Docket No.: "037.65USU1/177809.2
Title: SYS AND APPARATUS FOR PERFORMING BROADCAST AND COMMUNIC...1ONS
Sheet 8 of 12

 ${\cal F}$

	Fixed synchronization pattern (6 bits unencoded)	Shift Register (1 bit un- encoded)	Segment Index (1 bit un- encoded)	Segment data (1/8 of data bits from a packet, interleaved according to preset pattern). (64 bits encoded)
'				

3 symbols

1 symbol

64 symbols

LCAST

Fig. 8

Inventor: Karr, et al.

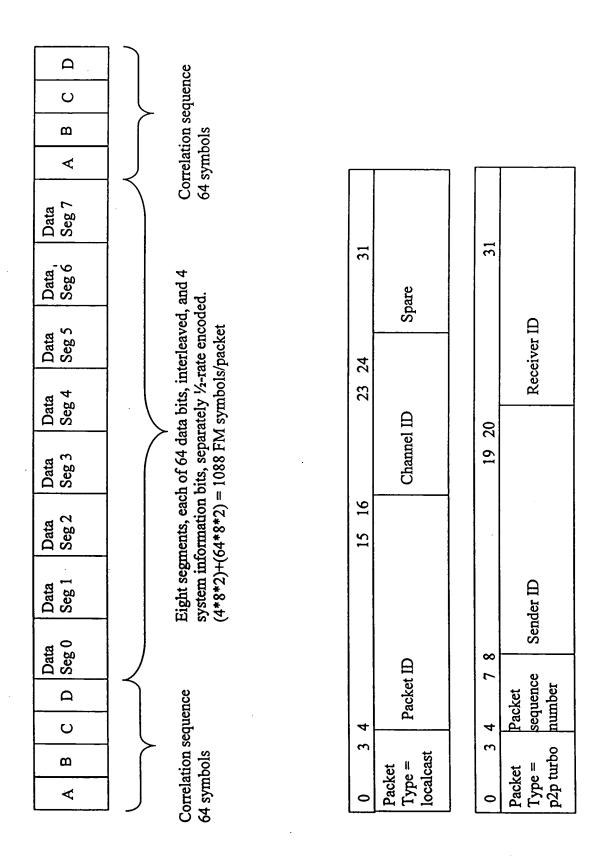
Docket No.: f '.65USU1/177809.2

Title: SYSTE JD APPARATUS FOR PERFORMING BROADCAST AND LA

COMMUNICA 110NS

.CAST

Sheet 9 of 12

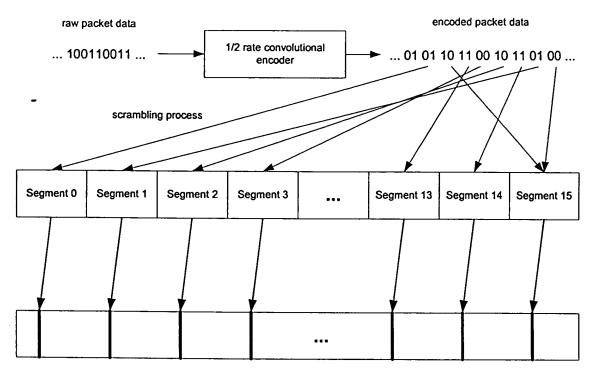


Inventor: Karr, et al.

: 50037.65USU1/177809.2
EM AND APPARATUS FOR PERFORMING BROADCAST / OCALCAST Title:

t:

COMMUNICATIONS Sheet 10 of 12



segment placement in output frame

Fig. 10

Inventor: Karr, et al.

Docket No.: '037.65USU1/177809.2

Title: SYS AND APPARATUS FOR PERFORMING BROADCAST AND ALCAST COMMUNIC... (TIONS Sheet 11 of 12

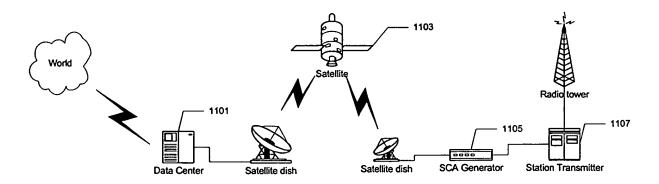


Fig. 11

Docket No.: 50037.65USUI/177809.2
Title: "STEM AND APPARATUS FOR PERFORMING BROADCAST A" LOCALCAST

COM ICATIONS
Sheet 12 of 12

